

GCCCCTCGCTCGCTCGCTCCTTCCCCGCCCTCCCCGCAGCGCCGGC CGAGCCGG
 CTTCCCCTCAGTCTCTCATGAATATTGAGCGGCCCTGTTGTATTTCCCGAGCT
 CCATTGCGGAAGCTGAGGCTCGCCATATTGTGCGGCGGCGCCGGCGTCCGCG
 GCAGCTGATACCAGAGTCTTGCTCCGGCCGCGGCCAGCGGAGCCCTGGGCTG
 GGGCAGGAGCCGCAATGTCTCAGGCTGTGCAGACAAACGGAACCTCAACCATT
 AAGCAAAACATGGGAACCTCAGTTTATATGAGTTACAACGAACACCTCAGGAG
 GCAATAACAGATGGCTTAGAAAATTGTGGTTTCACCTCGAAGTCT. CACAGTG
 AATTAATGTGCCCAATTTGTTTGGATATGTTGAAGAACACCATGACTACAAAG
 GAGTGTTTACATCGTTTTTGTGCAGACTGCATCATCACAGCCCTTAGAAGTGG
 CAACAAAGAATGTCCTACCTGTCGGAAAAAACTAGTTTCCAAAAGATCACTA
 AGGCCAGACCCAAACTTTGATGCACTCATCAGCAAAATTTATCCAAGTCGTG
 ATGAGTATGAAGCTCATCAAGAGAGAGTATTAGCCAGGATCAAC AAGCACAA
 TAATCAGCAAGCACTCAGTCACAGCATTGAGGAAGGACTGAAG ATACAGGCC
 ATGAACAGACTGCAGCGAGGCAAGAAACAACAGATTGAAAAT. TAGTGGA
 GCAGAAGATAATGGTGACAGTTCACACTGCAGTAATGCATCCACACATAGCA
 ATCAGGAAGCAGGCCCTAGTAACAAACGGACCAAAACATCTGATGATTCTGG
 GCTAGAGCTTGATAATAACAATGCAGCAATGGCAATTGATCCAGTAATGGAT
 GGTGCTAGTGAAATTGAATTAGTATTCAGGCCTCATCCCACACTTATGGAAA
 AAGATGACAGTGCACAGACGAGATACATAAAGACTTCTGGTAACGCCACTGT
 TGATCACTTATCCAAGTATCTGGCTGTGAGGTAGCTTTAGAAGAACTTCGAA
 GCAAAGGTGAATCAAACCAGATGAACCTTGATACAGCCAGTGAGAAGCAGT
 ATACCATTTATATAGCAACAGCCAGTGGCCAGTTCAGTGTATTAAATGGCTCT
 TTTTCTTTGGAATTGGTCAGTGAGAAATACTGGAAAGTGAACAAACCCATGG
 AACTTTATTACGCACCTACAAAGGAGCACAAATGAGCCTTTAAAAACCAATT
 CTGAGACTGAACTTTTTTATAGCCTATTTCTTTAATATTAAAGATGTACTGGC
 ATTACTTTTATGGAGATCTTGGATATGTTGTTCAATTTTCTTTCTGAGCCAGAC
 TAGTTTACGCTATTCAAATCTTTTCCCCTTTATTTAAGATTTCCTTTTTGGAG
 GGACTGCAATTATTCAGTATTTTTTTCTTTCTTTAAAAAAATATATCTGAAGT
 TTCTTGTTGTTTTTTTTTTTCCCCACAAAGTGTGTTTCCACTTGGAGCACCATT
 TGACCCAGGAATTTTTTCATAGTTTCTGTATTCTTATAAGATTCAGTTGGCTGTC
 CTTTTCTGCTCCCCTCAAAGATTTTATGTCATACAGAATGTTAAATATTAT
 GTATTCTGACTTTTTTTTTTCCCCCGGAGTCTTGTATATTTATAGTTTTCTTATAT
 AAAGTGTAGTATCTTCATGAAGAACCAAGGCTCAAATTTACTGTCCTTAAAA
 ACAATTCTCATAGGATTATTCTTTTCATGGTATTTTCTTCCATAATATCTCATT
 TTAAGAAAGAAAGTTCTTTATGAAACTTAGTGTCCATTGTCATGCAATGTTTTTT
 TTTCCATTCTTTTTCCCCTGTAATTTTGGAAATTTCTGGTCCTGGGAAGAATCAA
 ACAAATCTTAAGTTCTATGAGAACTTGGTTCATTGACATATTCTGCTGAAGA
 AAGAAAAATTAAATTGGTAGTAAATATAGTCTTCAAGTATACGTTTGAGAG
 TGCTTTTTTTTGTATTAGTTCTGCTGTCACTTCATTTCTGTATTATATGTGATG
 TTTTCCCCATTAAAAATACCAGAGATAATGGAGATATTTTGCACTTTAGCCTT
 GATGAAAAGTACAAGATATGTTCAAAGCTTCCCTAATTTTTTTCTTATTTGTA
 GCCACATAAGTTTCAAGAATAACATGGCACACAGAACAATGGAAAAAAGTTT
 GTTTCCATTGGAAAATTATATCATTTTGGGTTGCCACATCAGTTTATAAATTTG
 GCGCTCTTTTAATTACACTCTGTAGAAGGTTAATAGAGCTTGAGCCCTGCTTT
 AATATGTAGTGAAAGATAATTCTGTAGAAAAACGTCAGCCAGTAGGGTAAAG

FIGURE 1 (a)

man protein
signature

university of jussieu — cum. ro

MSQAVQTNGTQPLSKTWELSLYELQRTPEAITDGLEIVVSPRSLHSELMCPICLDM
LKNTMTTKECLHRFCADCIITALRSGNKECPTCRKKLVSKRSLRPDPNFDALISKIY
PSRDEYEAHQERVLARINKHNNQQALSHSIEEGLKIQAMNRLQRGKKQQIENGSG
AEDNGDSSHCSNASTHSNQEAGPSNKRTKTSDDSGLELDNNAAMAIDPVMMDGA
SEIELVFRPHPTLMEKDDSAQTRYIKTSGNATVDHLSKYLAURLALEELRSKGESN
QMNLDTASEKQYTIYIATASGQFTVLNGSFSLELVSEKYWKVNKPMELYYAPTKE
HK

09991888 112601

Figure 1(b)

Mouse Artrial Bap-1 DNA sequence Sequence

| 10 | 20 | 30 | 40 | 50 | |
|------------|-------------|------------|------------|------------|-----|
| 1234567890 | 1234567890 | 1234567890 | 1234567890 | 1234567890 | |
| AGTGGAGCAG | AAGATAATGG | TGACAGCTCC | CACIGTAGTA | ACGCATCCAC | 50 |
| ACACAGCAAC | CAGGAAGGGG | GGGCGAGTAA | CAAACGGACC | AAAAOCTCTG | 100 |
| ATGACTCTGG | GCTTIGATCTT | GATAACAACA | ATGCAGGAGT | GGCGATTGAT | 150 |
| CCAGTCATGG | ACGGTGGCCAG | TGAGATTGAG | TTAGTCTTCA | GGCCCCATCC | 200 |
| AACTCTTATG | GAAAAGGAAG | ACAGGGCACA | GACGAGATAC | ATAAAGACTT | 250 |
| CAGCCAATGC | CACGTGTGAT | CACCTATCCA | AGTATCTGGC | TGIGAGGTTA | 300 |
| CCTTACAGAG | AACTTGAAG | CAAAGTGA | | | 328 |

0991888-112601

Fig. 2 (d)

Protein sequence

SGAEDNGDSSHCSNASTHSNQEAGPSNKRTKTSDDSGLDLDNNAAGVAIDPVMD
GASEIELVFRPHPTLMEKDDSAQTRYIKTSGNATVDHLSKYLAVRLALEELRSKV

09091888 4.1.2004

Figure 2 (b)